TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
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Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-115416-1
Client Project/Site: Gold King Mine - Region 9

For:
Weston Solutions, Inc.
1400 Weston Way
PO BOX 2653
West Chester, Pennsylvania 19380

Attn: Ms. Gretchen Fodor

Authorized for release by:
8/11/2015 2:44:57 PM

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Job ID: 680-115416-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Gold King Mine - Region 9

Report Number: 680-115416-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 08/10/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.3° C and 2.4° C.

DISSOLVED METALS (ICP)
Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared and analyzed on 08/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)
Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for total metals (ICP) in accordance with EPA Method 200.7. The samples were prepared and analyzed on 08/10/2015.

Several analytes failed the recovery criteria low for the MS of sample SJLP-080815-11MS (680-115416-1) in batch 680-395402.

Several analytes failed the recovery criteria low for the MSD of sample SJLP-080815-11MSD (680-115416-1) in batch 680-395402.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)
Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 08/10/2015 and analyzed on 08/11/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)
Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for total metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 08/10/2015 and analyzed on 08/11/2015.

Job ID: 680-115416-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Antimony, Antimony, Dissolved, Barium and Barium, Dissolved failed the recovery criteria low for the MS of sample SJLP-080815-11MS (680-115416-1) in batch 680-395503.

Several analytes failed the recovery criteria low for the MSD of sample SJLP-080815-11MSD (680-115416-1) in batch 680-395503.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY (CVAA)

Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for dissolved mercury (CVAA) in accordance with EPA Method 245.1. The samples were prepared and analyzed on 08/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared and analyzed on 08/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ALKALINITY

Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 08/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL DISSOLVED SOLIDS

Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 08/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SUSPENDED SOLIDS

Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 08/10/2015 and 08/11/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL HARDNESS (AS CACO3) BY CALCULATION

Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for total hardness (as CaCO3) by calculation in accordance with SM 2340B. The samples were analyzed on 08/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CORROSIVITY (PH)

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Job ID: 680-115416-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples SJLP-080815-11 (680-115416-1), SJFP-080815-11 (680-115416-2), SJHB-080815-11 (680-115416-3), SJSR-080815-11 (680-115416-4) and 10-25_20150807_RS (680-115416-5) were analyzed for corrosivity (pH) in accordance with SM 4500 H+ B. The samples were analyzed on 08/10/2015.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. This sample(s) was performed in the laboratory outside the 15 minute timeframe.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-115416-1	SJLP-080815-11	Water	08/08/15 15:32	08/10/15 07:45
680-115416-2	SJFP-080815-11	Water	08/08/15 18:40	08/10/15 07:45
680-115416-3	SJHB-080815-11	Water	08/08/15 19:10	08/10/15 07:45
680-115416-4	SJSR-080815-11	Water	08/08/15 19:34	08/10/15 07:45
680-115416-5	10-25_20150807_RS	Water	08/07/15 11:30	08/10/15 07:45

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	TAL SAV
200.8	Metals (ICP/MS)	EPA	TAL SAV
2340B-2011	Total Hardness (as CaCO3) by calculation	SM	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV
2320B-2011	Alkalinity, Total	SM	TAL SAV
2540 D-2011	Total Suspended Solids Dried at 103-105°C	SM	TAL SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL SAV
4500 H+ B-2011	pH	SM	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJLP-080815-11

Date Collected: 08/08/15 15:32
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-1

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	28000		200	24	ug/L		08/10/15 09:56	08/10/15 15:22	1
Calcium	64000		500	25	ug/L		08/10/15 09:56	08/10/15 15:22	1
Iron	29000		50	17	ug/L		08/10/15 09:56	08/10/15 15:22	1
Magnesium	12000		500	33	ug/L		08/10/15 09:56	08/10/15 15:22	1
Potassium	8100		1000	17	ug/L		08/10/15 09:56	08/10/15 15:22	1
Sodium	21000		1000	480	ug/L		08/10/15 09:56	08/10/15 15:22	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/10/15 09:56	08/10/15 16:52	1
Calcium, Dissolved	47000		500	25	ug/L		08/10/15 09:56	08/10/15 16:52	1
Iron, Dissolved	18	J	50	17	ug/L		08/10/15 09:56	08/10/15 16:52	1
Potassium, Dissolved	2400		1000	17	ug/L		08/10/15 09:56	08/10/15 16:52	1
Magnesium, Dissolved	6100		500	33	ug/L		08/10/15 09:56	08/10/15 16:52	1
Sodium, Dissolved	19000		1000	480	ug/L		08/10/15 09:56	08/10/15 16:52	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U F1	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 09:29	1
Arsenic	11		1.0	0.37	ug/L		08/10/15 09:56	08/11/15 09:29	1
Barium	490		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 09:29	1
Beryllium	1.4		0.40	0.15	ug/L		08/10/15 09:56	08/11/15 09:29	1
Cadmium	0.35		0.10	0.043	ug/L		08/10/15 09:56	08/11/15 09:29	1
Chromium	14		2.0	1.0	ug/L		08/10/15 09:56	08/11/15 09:29	1
Cobalt	9.9		0.40	0.12	ug/L		08/10/15 09:56	08/11/15 09:29	1
Copper	42		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 09:29	1
Lead	150		0.30	0.060	ug/L		08/10/15 09:56	08/11/15 09:29	1
Manganese	570		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 09:29	1
Nickel	13		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 09:29	1
Selenium	0.74	J	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 09:29	1
Silver	0.96	J	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 09:29	1
Thallium	0.30		0.20	0.10	ug/L		08/10/15 09:56	08/11/15 09:29	1
Vanadium	34		1.0	0.30	ug/L		08/10/15 09:56	08/11/15 09:29	1
Zinc	130	F1	20	2.8	ug/L		08/10/15 09:56	08/11/15 09:29	1
Molybdenum	2.4		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 09:29	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:11	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		08/10/15 09:56	08/11/15 11:11	1
Barium, Dissolved	61		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 11:11	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/10/15 09:56	08/11/15 11:11	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/10/15 09:56	08/11/15 11:11	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/10/15 09:56	08/11/15 11:11	1
Cobalt, Dissolved	0.12	J	0.40	0.12	ug/L		08/10/15 09:56	08/11/15 11:11	1
Copper, Dissolved	1.5		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 11:11	1
Lead, Dissolved	0.094	J	0.30	0.060	ug/L		08/10/15 09:56	08/11/15 11:11	1
Manganese, Dissolved	5.8		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 11:11	1
Molybdenum, Dissolved	1.6		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 11:11	1
Nickel, Dissolved	1.1		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:11	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJLP-080815-11
Date Collected: 08/08/15 15:32
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-1
Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 11:11	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 11:11	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/10/15 09:56	08/11/15 11:11	1
Vanadium, Dissolved	0.35	J	1.0	0.30	ug/L		08/10/15 09:56	08/11/15 11:11	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/10/15 09:56	08/11/15 11:11	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	210		3.3	3.3	mg/L			08/10/15 15:22	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/10/15 09:17	08/10/15 15:21	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/10/15 12:21	08/10/15 16:28	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.05	HF			SU			08/10/15 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	86		5.0	5.0	mg/L			08/10/15 16:07	1
Total Suspended Solids	1300		20	20	mg/L			08/10/15 09:56	1
Total Dissolved Solids	250		10	10	mg/L			08/10/15 11:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJFP-080815-11

Date Collected: 08/08/15 18:40
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-2

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	22000		200	24	ug/L		08/10/15 09:56	08/10/15 15:33	1
Calcium	60000		500	25	ug/L		08/10/15 09:56	08/10/15 15:33	1
Iron	25000		50	17	ug/L		08/10/15 09:56	08/10/15 15:33	1
Magnesium	10000		500	33	ug/L		08/10/15 09:56	08/10/15 15:33	1
Potassium	7000		1000	17	ug/L		08/10/15 09:56	08/10/15 15:33	1
Sodium	22000		1000	480	ug/L		08/10/15 09:56	08/10/15 15:33	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/10/15 09:56	08/10/15 16:55	1
Calcium, Dissolved	50000		500	25	ug/L		08/10/15 09:56	08/10/15 16:55	1
Iron, Dissolved	17	U	50	17	ug/L		08/10/15 09:56	08/10/15 16:55	1
Potassium, Dissolved	2400		1000	17	ug/L		08/10/15 09:56	08/10/15 16:55	1
Magnesium, Dissolved	6400		500	33	ug/L		08/10/15 09:56	08/10/15 16:55	1
Sodium, Dissolved	20000		1000	480	ug/L		08/10/15 09:56	08/10/15 16:55	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.59	J	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 09:50	1
Arsenic	11		1.0	0.37	ug/L		08/10/15 09:56	08/11/15 09:50	1
Barium	260		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 09:50	1
Beryllium	0.97		0.40	0.15	ug/L		08/10/15 09:56	08/11/15 09:50	1
Cadmium	0.39		0.10	0.043	ug/L		08/10/15 09:56	08/11/15 09:50	1
Chromium	9.9		2.0	1.0	ug/L		08/10/15 09:56	08/11/15 09:50	1
Cobalt	6.1		0.40	0.12	ug/L		08/10/15 09:56	08/11/15 09:50	1
Copper	46		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 09:50	1
Lead	200		0.30	0.060	ug/L		08/10/15 09:56	08/11/15 09:50	1
Manganese	380		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 09:50	1
Nickel	8.9		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 09:50	1
Selenium	0.98	J	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 09:50	1
Silver	1.4		1.0	0.10	ug/L		08/10/15 09:56	08/11/15 09:50	1
Thallium	0.23		0.20	0.10	ug/L		08/10/15 09:56	08/11/15 09:50	1
Vanadium	27		1.0	0.30	ug/L		08/10/15 09:56	08/11/15 09:50	1
Zinc	130		20	2.8	ug/L		08/10/15 09:56	08/11/15 09:50	1
Molybdenum	3.2		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 09:50	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:15	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		08/10/15 09:56	08/11/15 11:15	1
Barium, Dissolved	66		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 11:15	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/10/15 09:56	08/11/15 11:15	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/10/15 09:56	08/11/15 11:15	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/10/15 09:56	08/11/15 11:15	1
Cobalt, Dissolved	0.13	J	0.40	0.12	ug/L		08/10/15 09:56	08/11/15 11:15	1
Copper, Dissolved	1.5		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 11:15	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/10/15 09:56	08/11/15 11:15	1
Manganese, Dissolved	4.6		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 11:15	1
Molybdenum, Dissolved	1.7		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 11:15	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJFP-080815-11
Date Collected: 08/08/15 18:40
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-2
Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 11:15	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 11:15	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/10/15 09:56	08/11/15 11:15	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		08/10/15 09:56	08/11/15 11:15	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/10/15 09:56	08/11/15 11:15	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	190		3.3	3.3	mg/L			08/10/15 15:33	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/10/15 09:17	08/10/15 15:30	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/10/15 12:21	08/10/15 16:31	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.06	HF			SU			08/10/15 16:14	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	84		5.0	5.0	mg/L			08/10/15 16:14	1
Total Suspended Solids	680		20	20	mg/L			08/11/15 08:37	1
Total Dissolved Solids	290		10	10	mg/L			08/10/15 11:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJHB-080815-11

Date Collected: 08/08/15 19:10
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-3

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	30000		200	24	ug/L		08/10/15 09:56	08/10/15 15:37	1
Calcium	77000		500	25	ug/L		08/10/15 09:56	08/10/15 15:37	1
Iron	36000		50	17	ug/L		08/10/15 09:56	08/10/15 15:37	1
Magnesium	13000		500	33	ug/L		08/10/15 09:56	08/10/15 15:37	1
Potassium	8700		1000	17	ug/L		08/10/15 09:56	08/10/15 15:37	1
Sodium	23000		1000	480	ug/L		08/10/15 09:56	08/10/15 15:37	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/10/15 09:56	08/10/15 16:59	1
Calcium, Dissolved	54000		500	25	ug/L		08/10/15 09:56	08/10/15 16:59	1
Iron, Dissolved	17	U	50	17	ug/L		08/10/15 09:56	08/10/15 16:59	1
Potassium, Dissolved	2500		1000	17	ug/L		08/10/15 09:56	08/10/15 16:59	1
Magnesium, Dissolved	6900		500	33	ug/L		08/10/15 09:56	08/10/15 16:59	1
Sodium, Dissolved	22000		1000	480	ug/L		08/10/15 09:56	08/10/15 16:59	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 09:54	1
Arsenic	14		1.0	0.37	ug/L		08/10/15 09:56	08/11/15 09:54	1
Barium	570		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 09:54	1
Beryllium	1.8		0.40	0.15	ug/L		08/10/15 09:56	08/11/15 09:54	1
Cadmium	0.51		0.10	0.043	ug/L		08/10/15 09:56	08/11/15 09:54	1
Chromium	16		2.0	1.0	ug/L		08/10/15 09:56	08/11/15 09:54	1
Cobalt	13		0.40	0.12	ug/L		08/10/15 09:56	08/11/15 09:54	1
Copper	61		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 09:54	1
Lead	250		0.30	0.060	ug/L		08/10/15 09:56	08/11/15 09:54	1
Manganese	940		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 09:54	1
Nickel	16		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 09:54	1
Selenium	1.5	J	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 09:54	1
Silver	1.6		1.0	0.10	ug/L		08/10/15 09:56	08/11/15 09:54	1
Thallium	0.35		0.20	0.10	ug/L		08/10/15 09:56	08/11/15 09:54	1
Vanadium	41		1.0	0.30	ug/L		08/10/15 09:56	08/11/15 09:54	1
Zinc	170		20	2.8	ug/L		08/10/15 09:56	08/11/15 09:54	1
Molybdenum	3.0		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 09:54	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:20	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		08/10/15 09:56	08/11/15 11:20	1
Barium, Dissolved	67		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 11:20	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/10/15 09:56	08/11/15 11:20	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/10/15 09:56	08/11/15 11:20	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/10/15 09:56	08/11/15 11:20	1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		08/10/15 09:56	08/11/15 11:20	1
Copper, Dissolved	1.7		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 11:20	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/10/15 09:56	08/11/15 11:20	1
Manganese, Dissolved	1.2	J	2.5	1.2	ug/L		08/10/15 09:56	08/11/15 11:20	1
Molybdenum, Dissolved	1.8		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 11:20	1
Nickel, Dissolved	1.1		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:20	1

Client Sample ID: SJHB-080815-11 Lab Sample ID: 680-115416-3

Date Collected: 08/08/15 19:10 **Matrix: Water**
Date Received: 08/10/15 07:45

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 11:20	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 11:20	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/10/15 09:56	08/11/15 11:20	1
Vanadium, Dissolved	0.34	J	1.0	0.30	ug/L		08/10/15 09:56	08/11/15 11:20	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/10/15 09:56	08/11/15 11:20	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	250		3.3	3.3	mg/L			08/10/15 15:37	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/10/15 09:17	08/10/15 15:33	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/10/15 12:21	08/10/15 16:35	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.99	HF			SU			08/10/15 16:32	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	82		5.0	5.0	mg/L			08/10/15 16:32	1
Total Suspended Solids	2900		33	33	mg/L			08/11/15 08:37	1
Total Dissolved Solids	290		10	10	mg/L			08/10/15 11:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJSR-080815-11

Date Collected: 08/08/15 19:34
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-4

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	42000		200	24	ug/L		08/10/15 09:56	08/10/15 15:41	1
Calcium	74000		500	25	ug/L		08/10/15 09:56	08/10/15 15:41	1
Iron	36000		50	17	ug/L		08/10/15 09:56	08/10/15 15:41	1
Magnesium	16000		500	33	ug/L		08/10/15 09:56	08/10/15 15:41	1
Potassium	9500		1000	17	ug/L		08/10/15 09:56	08/10/15 15:41	1
Sodium	28000		1000	480	ug/L		08/10/15 09:56	08/10/15 15:41	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	610		200	24	ug/L		08/10/15 09:56	08/10/15 17:03	1
Calcium, Dissolved	50000		500	25	ug/L		08/10/15 09:56	08/10/15 17:03	1
Iron, Dissolved	360		50	17	ug/L		08/10/15 09:56	08/10/15 17:03	1
Potassium, Dissolved	2600		1000	17	ug/L		08/10/15 09:56	08/10/15 17:03	1
Magnesium, Dissolved	6400		500	33	ug/L		08/10/15 09:56	08/10/15 17:03	1
Sodium, Dissolved	25000		1000	480	ug/L		08/10/15 09:56	08/10/15 17:03	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 10:07	1
Arsenic	7.2		1.0	0.37	ug/L		08/10/15 09:56	08/11/15 10:07	1
Barium	640		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 10:07	1
Beryllium	2.3		0.40	0.15	ug/L		08/10/15 09:56	08/11/15 10:07	1
Cadmium	0.19		0.10	0.043	ug/L		08/10/15 09:56	08/11/15 10:07	1
Chromium	22		2.0	1.0	ug/L		08/10/15 09:56	08/11/15 10:07	1
Cobalt	17		0.40	0.12	ug/L		08/10/15 09:56	08/11/15 10:07	1
Copper	36		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 10:07	1
Lead	32		0.30	0.060	ug/L		08/10/15 09:56	08/11/15 10:07	1
Manganese	810		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 10:07	1
Nickel	22		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 10:07	1
Selenium	1.3	J	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 10:07	1
Silver	0.12	J	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 10:07	1
Thallium	0.43		0.20	0.10	ug/L		08/10/15 09:56	08/11/15 10:07	1
Vanadium	50		1.0	0.30	ug/L		08/10/15 09:56	08/11/15 10:07	1
Zinc	100		20	2.8	ug/L		08/10/15 09:56	08/11/15 10:07	1
Molybdenum	1.2		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 10:07	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:24	1
Arsenic, Dissolved	0.84	J	1.0	0.37	ug/L		08/10/15 09:56	08/11/15 11:24	1
Barium, Dissolved	68		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 11:24	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/10/15 09:56	08/11/15 11:24	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/10/15 09:56	08/11/15 11:24	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/10/15 09:56	08/11/15 11:24	1
Cobalt, Dissolved	0.29	J	0.40	0.12	ug/L		08/10/15 09:56	08/11/15 11:24	1
Copper, Dissolved	2.1		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 11:24	1
Lead, Dissolved	0.51		0.30	0.060	ug/L		08/10/15 09:56	08/11/15 11:24	1
Manganese, Dissolved	13		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 11:24	1
Molybdenum, Dissolved	1.6		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 11:24	1
Nickel, Dissolved	1.4		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:24	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJSR-080815-11
Date Collected: 08/08/15 19:34
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-4
Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 11:24	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 11:24	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/10/15 09:56	08/11/15 11:24	1
Vanadium, Dissolved	2.0		1.0	0.30	ug/L		08/10/15 09:56	08/11/15 11:24	1
Zinc, Dissolved	5.1	J	20	2.8	ug/L		08/10/15 09:56	08/11/15 11:24	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	250		3.3	3.3	mg/L			08/10/15 15:41	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/10/15 09:17	08/10/15 15:36	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/10/15 12:21	08/10/15 16:38	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.10	HF			SU			08/10/15 16:38	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Alkalinity	94		5.0	5.0	mg/L			08/10/15 16:38	1
Total Suspended Solids	2600		33	33	mg/L			08/11/15 08:37	1
Total Dissolved Solids	290		10	10	mg/L			08/10/15 11:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: 10-25_20150807_RS

Date Collected: 08/07/15 11:30
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-5

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	21000		200	24	ug/L		08/10/15 09:56	08/10/15 15:45	1
Calcium	68000		500	25	ug/L		08/10/15 09:56	08/10/15 15:45	1
Iron	16000		50	17	ug/L		08/10/15 09:56	08/10/15 15:45	1
Magnesium	12000		500	33	ug/L		08/10/15 09:56	08/10/15 15:45	1
Potassium	6600		1000	17	ug/L		08/10/15 09:56	08/10/15 15:45	1
Sodium	25000		1000	480	ug/L		08/10/15 09:56	08/10/15 15:45	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/10/15 09:56	08/10/15 17:07	1
Calcium, Dissolved	56000		500	25	ug/L		08/10/15 09:56	08/10/15 17:07	1
Iron, Dissolved	17	U	50	17	ug/L		08/10/15 09:56	08/10/15 17:07	1
Potassium, Dissolved	2500		1000	17	ug/L		08/10/15 09:56	08/10/15 17:07	1
Magnesium, Dissolved	7300		500	33	ug/L		08/10/15 09:56	08/10/15 17:07	1
Sodium, Dissolved	23000		1000	480	ug/L		08/10/15 09:56	08/10/15 17:07	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 10:11	1
Arsenic	3.7		1.0	0.37	ug/L		08/10/15 09:56	08/11/15 10:11	1
Barium	330		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 10:11	1
Beryllium	0.93		0.40	0.15	ug/L		08/10/15 09:56	08/11/15 10:11	1
Cadmium	0.20		0.10	0.043	ug/L		08/10/15 09:56	08/11/15 10:11	1
Chromium	11		2.0	1.0	ug/L		08/10/15 09:56	08/11/15 10:11	1
Cobalt	7.4		0.40	0.12	ug/L		08/10/15 09:56	08/11/15 10:11	1
Copper	17		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 10:11	1
Lead	15		0.30	0.060	ug/L		08/10/15 09:56	08/11/15 10:11	1
Manganese	390		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 10:11	1
Nickel	10		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 10:11	1
Selenium	0.74	J	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 10:11	1
Silver	0.10	U	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 10:11	1
Thallium	0.18	J	0.20	0.10	ug/L		08/10/15 09:56	08/11/15 10:11	1
Vanadium	25		1.0	0.30	ug/L		08/10/15 09:56	08/11/15 10:11	1
Zinc	57		20	2.8	ug/L		08/10/15 09:56	08/11/15 10:11	1
Molybdenum	1.5		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 10:11	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:28	1
Arsenic, Dissolved	0.56	J	1.0	0.37	ug/L		08/10/15 09:56	08/11/15 11:28	1
Barium, Dissolved	68		2.0	0.14	ug/L		08/10/15 09:56	08/11/15 11:28	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/10/15 09:56	08/11/15 11:28	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/10/15 09:56	08/11/15 11:28	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/10/15 09:56	08/11/15 11:28	1
Cobalt, Dissolved	0.96		0.40	0.12	ug/L		08/10/15 09:56	08/11/15 11:28	1
Copper, Dissolved	1.2		1.0	0.50	ug/L		08/10/15 09:56	08/11/15 11:28	1
Lead, Dissolved	0.093	J	0.30	0.060	ug/L		08/10/15 09:56	08/11/15 11:28	1
Manganese, Dissolved	3.3		2.5	1.2	ug/L		08/10/15 09:56	08/11/15 11:28	1
Molybdenum, Dissolved	1.5		1.0	0.45	ug/L		08/10/15 09:56	08/11/15 11:28	1
Nickel, Dissolved	1.0		1.0	0.40	ug/L		08/10/15 09:56	08/11/15 11:28	1

Client Sample ID: 10-25_20150807_RS — Lab Sample ID: 680-115416-5

Date Collected: 08/07/15 11:30 **Matrix: Water**
Date Received: 08/10/15 07:45

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/10/15 09:56	08/11/15 11:28	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/10/15 09:56	08/11/15 11:28	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/10/15 09:56	08/11/15 11:28	1
Vanadium, Dissolved	1.3		1.0	0.30	ug/L		08/10/15 09:56	08/11/15 11:28	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/10/15 09:56	08/11/15 11:28	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	220		3.3	3.3	mg/L			08/10/15 15:45	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/10/15 09:17	08/10/15 15:39	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/10/15 12:21	08/10/15 16:41	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.18	HF			SU			08/10/15 16:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L			08/10/15 16:47	1
Total Suspended Solids	1700		33	33	mg/L			08/11/15 08:37	1
Total Dissolved Solids	290		10	10	mg/L			08/10/15 11:46	1

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-395264/1-A
Matrix: Water
Analysis Batch: 395402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		08/10/15 09:55	08/10/15 15:09	1
Aluminum, Dissolved	24	U	200	24	ug/L		08/10/15 09:55	08/10/15 15:09	1
Calcium	25	U	500	25	ug/L		08/10/15 09:55	08/10/15 15:09	1
Calcium, Dissolved	25	U	500	25	ug/L		08/10/15 09:55	08/10/15 15:09	1
Iron	17	U	50	17	ug/L		08/10/15 09:55	08/10/15 15:09	1
Iron, Dissolved	17	U	50	17	ug/L		08/10/15 09:55	08/10/15 15:09	1
Magnesium	33	U	500	33	ug/L		08/10/15 09:55	08/10/15 15:09	1
Magnesium, Dissolved	33	U	500	33	ug/L		08/10/15 09:55	08/10/15 15:09	1
Potassium	17	U	1000	17	ug/L		08/10/15 09:55	08/10/15 15:09	1
Potassium, Dissolved	17	U	1000	17	ug/L		08/10/15 09:55	08/10/15 15:09	1
Sodium	480	U	1000	480	ug/L		08/10/15 09:55	08/10/15 15:09	1
Sodium, Dissolved	480	U	1000	480	ug/L		08/10/15 09:55	08/10/15 15:09	1

Lab Sample ID: LCS 680-395264/2-A
Matrix: Water
Analysis Batch: 395402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	2120		ug/L		106	85 - 115
Aluminum, Dissolved	2000	2120		ug/L		106	85 - 115
Calcium	2000	2200		ug/L		110	85 - 115
Calcium, Dissolved	2000	2200		ug/L		110	85 - 115
Iron	2000	2070		ug/L		103	85 - 115
Iron, Dissolved	2000	2070		ug/L		103	85 - 115
Magnesium	2000	2040		ug/L		102	85 - 115
Magnesium, Dissolved	2000	2040		ug/L		102	85 - 115
Potassium	2000	2270		ug/L		113	85 - 115
Potassium, Dissolved	2000	2270		ug/L		113	85 - 115
Sodium	2000	1960		ug/L		98	85 - 115
Sodium, Dissolved	2000	1960		ug/L		98	85 - 115

Lab Sample ID: 680-115416-1 MS
Matrix: Water
Analysis Batch: 395402

Client Sample ID: SJLP-080815-11
Prep Type: Total/NA
Prep Batch: 395264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	28000		2000	29400	4	ug/L		79	75 - 125
Aluminum, Dissolved	28000		2000	29400	4	ug/L		79	75 - 125
Calcium	64000		2000	63100	4	ug/L		-38	75 - 125
Calcium, Dissolved	64000		2000	63100	4	ug/L		-38	75 - 125
Iron	29000		2000	29100	4	ug/L		-6	75 - 125
Iron, Dissolved	29000		2000	29100	4	ug/L		-6	75 - 125
Magnesium	12000		2000	13100	4	ug/L		67	75 - 125
Magnesium, Dissolved	12000		2000	13100	4	ug/L		67	75 - 125
Potassium	8100		2000	9930	4	ug/L		93	75 - 125
Potassium, Dissolved	8100		2000	9930	4	ug/L		93	75 - 125
Sodium	21000		2000	21900	4	ug/L		63	75 - 125
Sodium, Dissolved	21000		2000	21900	4	ug/L		63	75 - 125

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 680-115416-1 MSD
Matrix: Water
Analysis Batch: 395402

Client Sample ID: SJLP-080815-11
Prep Type: Total/NA
Prep Batch: 395264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	28000		2000	27500	4	ug/L		-19	75 - 125	7	20
Aluminum, Dissolved	28000		2000	27500	4	ug/L		-19	75 - 125	7	20
Calcium	64000		2000	62400	4	ug/L		-72	75 - 125	1	20
Calcium, Dissolved	64000		2000	62400	4	ug/L		-72	75 - 125	1	20
Iron	29000		2000	27400	4	ug/L		-95	75 - 125	6	20
Iron, Dissolved	29000		2000	27400	4	ug/L		-95	75 - 125	6	20
Magnesium	12000		2000	12700	4	ug/L		47	75 - 125	3	20
Magnesium, Dissolved	12000		2000	12700	4	ug/L		47	75 - 125	3	20
Potassium	8100		2000	9470	4	ug/L		70	75 - 125	5	20
Potassium, Dissolved	8100		2000	9470	4	ug/L		70	75 - 125	5	20
Sodium	21000		2000	21600	4	ug/L		45	75 - 125	2	20
Sodium, Dissolved	21000		2000	21600	4	ug/L		45	75 - 125	2	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 680-395259/1-A
Matrix: Water
Analysis Batch: 395503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/10/15 09:55	08/11/15 09:17	1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/10/15 09:55	08/11/15 09:17	1
Arsenic	0.37	U	1.0	0.37	ug/L		08/10/15 09:55	08/11/15 09:17	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		08/10/15 09:55	08/11/15 09:17	1
Barium	0.14	U	2.0	0.14	ug/L		08/10/15 09:55	08/11/15 09:17	1
Barium, Dissolved	0.14	U	2.0	0.14	ug/L		08/10/15 09:55	08/11/15 09:17	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/10/15 09:55	08/11/15 09:17	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/10/15 09:55	08/11/15 09:17	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/10/15 09:55	08/11/15 09:17	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/10/15 09:55	08/11/15 09:17	1
Chromium	1.0	U	2.0	1.0	ug/L		08/10/15 09:55	08/11/15 09:17	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/10/15 09:55	08/11/15 09:17	1
Cobalt	0.12	U	0.40	0.12	ug/L		08/10/15 09:55	08/11/15 09:17	1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		08/10/15 09:55	08/11/15 09:17	1
Copper	0.50	U	1.0	0.50	ug/L		08/10/15 09:55	08/11/15 09:17	1
Copper, Dissolved	0.50	U	1.0	0.50	ug/L		08/10/15 09:55	08/11/15 09:17	1
Lead	0.060	U	0.30	0.060	ug/L		08/10/15 09:55	08/11/15 09:17	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/10/15 09:55	08/11/15 09:17	1
Manganese	1.2	U	2.5	1.2	ug/L		08/10/15 09:55	08/11/15 09:17	1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		08/10/15 09:55	08/11/15 09:17	1
Nickel	0.40	U	1.0	0.40	ug/L		08/10/15 09:55	08/11/15 09:17	1
Nickel, Dissolved	0.40	U	1.0	0.40	ug/L		08/10/15 09:55	08/11/15 09:17	1
Selenium	0.58	U	2.0	0.58	ug/L		08/10/15 09:55	08/11/15 09:17	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/10/15 09:55	08/11/15 09:17	1
Silver	0.10	U	1.0	0.10	ug/L		08/10/15 09:55	08/11/15 09:17	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/10/15 09:55	08/11/15 09:17	1
Thallium	0.10	U	0.20	0.10	ug/L		08/10/15 09:55	08/11/15 09:17	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/10/15 09:55	08/11/15 09:17	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-395259/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 395503 — **Prep Batch: 395259**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.30	U	1.0	0.30	ug/L		08/10/15 09:55	08/11/15 09:17	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		08/10/15 09:55	08/11/15 09:17	1
Molybdenum	0.45	U	1.0	0.45	ug/L		08/10/15 09:55	08/11/15 09:17	1
Molybdenum, Dissolved	0.45	U	1.0	0.45	ug/L		08/10/15 09:55	08/11/15 09:17	1
Zinc	2.8	U	20	2.8	ug/L		08/10/15 09:55	08/11/15 09:17	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/10/15 09:55	08/11/15 09:17	1

Lab Sample ID: LCS 680-395259/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 395503 — **Prep Batch: 395259**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	20.0	21.1		ug/L		105	85 - 115
Antimony, Dissolved	20.0	21.1		ug/L		105	85 - 115
Arsenic	40.0	40.5		ug/L		101	85 - 115
Arsenic, Dissolved	40.0	40.5		ug/L		101	85 - 115
Barium	40.0	40.7		ug/L		102	85 - 115
Barium, Dissolved	40.0	40.7		ug/L		102	85 - 115
Beryllium	20.0	20.6		ug/L		103	85 - 115
Beryllium, Dissolved	20.0	20.6		ug/L		103	85 - 115
Cadmium	20.0	20.8		ug/L		104	85 - 115
Cadmium, Dissolved	20.0	20.8		ug/L		104	85 - 115
Chromium	40.0	40.6		ug/L		102	85 - 115
Chromium, Dissolved	40.0	40.6		ug/L		102	85 - 115
Cobalt	20.0	21.5		ug/L		108	85 - 115
Cobalt, Dissolved	20.0	21.5		ug/L		108	85 - 115
Copper	40.0	38.9		ug/L		97	85 - 115
Copper, Dissolved	40.0	38.9		ug/L		97	85 - 115
Lead	200	199		ug/L		99	85 - 115
Lead, Dissolved	200	199		ug/L		99	85 - 115
Manganese	200	200		ug/L		100	85 - 115
Manganese, Dissolved	200	200		ug/L		100	85 - 115
Nickel	40.0	40.7		ug/L		102	85 - 115
Nickel, Dissolved	40.0	40.7		ug/L		102	85 - 115
Selenium	40.0	41.2		ug/L		103	85 - 115
Selenium, Dissolved	40.0	41.2		ug/L		103	85 - 115
Silver	20.0	19.8		ug/L		99	85 - 115
Silver, Dissolved	20.0	19.8		ug/L		99	85 - 115
Thallium	16.0	16.2		ug/L		101	85 - 115
Thallium, Dissolved	16.0	16.2		ug/L		101	85 - 115
Vanadium	40.0	41.1		ug/L		103	85 - 115
Vanadium, Dissolved	40.0	41.1		ug/L		103	85 - 115
Molybdenum	40.0	41.1		ug/L		103	85 - 115
Molybdenum, Dissolved	40.0	41.1		ug/L		103	85 - 115
Zinc	40.0	38.8		ug/L		97	85 - 115
Zinc, Dissolved	40.0	38.8		ug/L		97	85 - 115

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-115416-1 MS — **Client Sample ID: SJLP-080815-11**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 395503 — **Prep Batch: 395259**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.40	U F1	20.0	7.54	F1	ug/L		38	70 - 130
Antimony, Dissolved	0.40	U F1	20.0	7.54	F1	ug/L		38	70 - 130
Arsenic	11		40.0	49.1		ug/L		96	70 - 130
Arsenic, Dissolved	11		40.0	49.1		ug/L		96	70 - 130
Barium	490		40.0	471	4	ug/L		-55	70 - 130
Barium, Dissolved	490		40.0	471	4	ug/L		-55	70 - 130
Beryllium	1.4		20.0	21.9		ug/L		103	70 - 130
Beryllium, Dissolved	1.4		20.0	21.9		ug/L		103	70 - 130
Cadmium	0.35		20.0	19.7		ug/L		97	70 - 130
Cadmium, Dissolved	0.35		20.0	19.7		ug/L		97	70 - 130
Chromium	14		40.0	50.1		ug/L		90	70 - 130
Chromium, Dissolved	14		40.0	50.1		ug/L		90	70 - 130
Cobalt	9.9		20.0	28.6		ug/L		94	70 - 130
Cobalt, Dissolved	9.9		20.0	28.6		ug/L		94	70 - 130
Copper	42		40.0	76.1		ug/L		85	70 - 130
Copper, Dissolved	42		40.0	76.1		ug/L		85	70 - 130
Lead	150		200	343		ug/L		95	70 - 130
Lead, Dissolved	150		200	343		ug/L		95	70 - 130
Manganese	570		200	738		ug/L		84	70 - 130
Manganese, Dissolved	570		200	738		ug/L		84	70 - 130
Nickel	13		40.0	49.3		ug/L		90	70 - 130
Nickel, Dissolved	13		40.0	49.3		ug/L		90	70 - 130
Selenium	0.74	J	40.0	42.1		ug/L		103	70 - 130
Selenium, Dissolved	0.74	J	40.0	42.1		ug/L		103	70 - 130
Silver	0.96	J	20.0	19.0		ug/L		90	70 - 130
Silver, Dissolved	0.96	J	20.0	19.0		ug/L		90	70 - 130
Thallium	0.30		16.0	15.9		ug/L		97	70 - 130
Thallium, Dissolved	0.30		16.0	15.9		ug/L		97	70 - 130
Vanadium	34		40.0	69.3		ug/L		87	70 - 130
Vanadium, Dissolved	34		40.0	69.3		ug/L		87	70 - 130
Molybdenum	2.4		40.0	33.2		ug/L		77	70 - 130
Molybdenum, Dissolved	2.4		40.0	33.2		ug/L		77	70 - 130
Zinc	130	F1	40.0	161		ug/L		78	70 - 130
Zinc, Dissolved	130	F1	40.0	161		ug/L		78	70 - 130

Lab Sample ID: 680-115416-1 MSD — **Client Sample ID: SJLP-080815-11**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 395503 — **Prep Batch: 395259**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.40	U F1	20.0	7.66	F1	ug/L		38	70 - 130	2	20
Antimony, Dissolved	0.40	U F1	20.0	7.66	F1	ug/L		38	70 - 130	2	20
Arsenic	11		40.0	49.7		ug/L		98	70 - 130	1	20
Arsenic, Dissolved	11		40.0	49.7		ug/L		98	70 - 130	1	20
Barium	490		40.0	423	4	ug/L		-176	70 - 130	11	20
Barium, Dissolved	490		40.0	423	4	ug/L		-176	70 - 130	11	20
Beryllium	1.4		20.0	22.0		ug/L		103	70 - 130	1	20
Beryllium, Dissolved	1.4		20.0	22.0		ug/L		103	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-115416-1 MSD
Matrix: Water
Analysis Batch: 395503

Client Sample ID: SJLP-080815-11
Prep Type: Total/NA
Prep Batch: 395259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.35		20.0	20.1		ug/L		99	70 - 130	2	20
Cadmium, Dissolved	0.35		20.0	20.1		ug/L		99	70 - 130	2	20
Chromium	14		40.0	50.0		ug/L		89	70 - 130	0	20
Chromium, Dissolved	14		40.0	50.0		ug/L		89	70 - 130	0	20
Cobalt	9.9		20.0	28.3		ug/L		92	70 - 130	1	20
Cobalt, Dissolved	9.9		20.0	28.3		ug/L		92	70 - 130	1	20
Copper	42		40.0	75.4		ug/L		83	70 - 130	1	20
Copper, Dissolved	42		40.0	75.4		ug/L		83	70 - 130	1	20
Lead	150		200	346		ug/L		96	70 - 130	1	20
Lead, Dissolved	150		200	346		ug/L		96	70 - 130	1	20
Manganese	570		200	735		ug/L		83	70 - 130	0	20
Manganese, Dissolved	570		200	735		ug/L		83	70 - 130	0	20
Nickel	13		40.0	48.9		ug/L		89	70 - 130	1	20
Nickel, Dissolved	13		40.0	48.9		ug/L		89	70 - 130	1	20
Selenium	0.74	J	40.0	42.0		ug/L		103	70 - 130	0	20
Selenium, Dissolved	0.74	J	40.0	42.0		ug/L		103	70 - 130	0	20
Silver	0.96	J	20.0	19.3		ug/L		92	70 - 130	2	20
Silver, Dissolved	0.96	J	20.0	19.3		ug/L		92	70 - 130	2	20
Thallium	0.30		16.0	16.4		ug/L		100	70 - 130	3	20
Thallium, Dissolved	0.30		16.0	16.4		ug/L		100	70 - 130	3	20
Vanadium	34		40.0	68.3		ug/L		85	70 - 130	1	20
Vanadium, Dissolved	34		40.0	68.3		ug/L		85	70 - 130	1	20
Molybdenum	2.4		40.0	34.8		ug/L		81	70 - 130	5	20
Molybdenum, Dissolved	2.4		40.0	34.8		ug/L		81	70 - 130	5	20
Zinc	130	F1	40.0	157	F1	ug/L		67	70 - 130	3	20
Zinc, Dissolved	130	F1	40.0	157	F1	ug/L		67	70 - 130	3	20

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Lab Sample ID: MB 680-395403/1
Matrix: Water
Analysis Batch: 395403

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	3.3	U	3.3	3.3	mg/L			08/10/15 15:09	1

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-395246/13-A
Matrix: Water
Analysis Batch: 395400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/10/15 09:17	08/10/15 15:11	1
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/10/15 09:17	08/10/15 15:11	1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-395246/15-A — Client Sample ID: Lab Control Sample
Matrix: Water — Prep Type: Total/NA
Analysis Batch: 395400 — Prep Batch: 395246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.63		ug/L		105	85 - 115
Mercury, Dissolved	2.50	2.63		ug/L		105	85 - 115

Lab Sample ID: 680-115416-1 MS — Client Sample ID: SJLP-080815-11
Matrix: Water — Prep Type: Total/NA
Analysis Batch: 395400 — Prep Batch: 395246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.080	U	1.00	1.13		ug/L		113	70 - 130
Mercury, Dissolved	0.080	U	1.00	1.13		ug/L		113	70 - 130

Lab Sample ID: 680-115416-1 MSD — Client Sample ID: SJLP-080815-11
Matrix: Water — Prep Type: Total/NA
Analysis Batch: 395400 — Prep Batch: 395246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.080	U	1.00	1.04		ug/L		104	70 - 130	9	20
Mercury, Dissolved	0.080	U	1.00	1.04		ug/L		104	70 - 130	9	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-395407/6 — Client Sample ID: Method Blank
Matrix: Water — Prep Type: Total/NA
Analysis Batch: 395407

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	5.0	mg/L			08/10/15 14:06	1

Lab Sample ID: LCS 680-395407/7 — Client Sample ID: Lab Control Sample
Matrix: Water — Prep Type: Total/NA
Analysis Batch: 395407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	252		mg/L		101	80 - 120

Lab Sample ID: LCSD 680-395407/31 — Client Sample ID: Lab Control Sample Dup
Matrix: Water — Prep Type: Total/NA
Analysis Batch: 395407

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	245		mg/L		98	80 - 120	3	30

Lab Sample ID: 680-115416-2 DU — Client Sample ID: SJFP-080815-11
Matrix: Water — Prep Type: Total/NA
Analysis Batch: 395407

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	84		83.9		mg/L		0.7	30

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Method: 2540 D-2011 - Total Suspended Solids Dried at 103-105°C

Lab Sample ID: MB 680-395262/1
Matrix: Water
Analysis Batch: 395262

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			08/10/15 09:56	1

Lab Sample ID: LCS 680-395262/2
Matrix: Water
Analysis Batch: 395262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	20.0	18.5		mg/L		93	80 - 120

Lab Sample ID: LCSD 680-395262/3
Matrix: Water
Analysis Batch: 395262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	20.0	19.5		mg/L		98	80 - 120	5	25

Lab Sample ID: 680-115416-1 DU
Matrix: Water
Analysis Batch: 395262

Client Sample ID: SJLP-080815-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	1300		1350		mg/L		4	5

Lab Sample ID: MB 680-395429/1
Matrix: Water
Analysis Batch: 395429

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			08/11/15 08:37	1

Lab Sample ID: LCS 680-395429/2
Matrix: Water
Analysis Batch: 395429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	20.0	18.5		mg/L		93	80 - 120

Lab Sample ID: LCSD 680-395429/3
Matrix: Water
Analysis Batch: 395429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	20.0	21.0		mg/L		105	80 - 120	13	25

Lab Sample ID: 680-115416-2 DU
Matrix: Water
Analysis Batch: 395429

Client Sample ID: SJFP-080815-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	680		660		mg/L		4	5

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-395305/1
Matrix: Water
Analysis Batch: 395305

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/10/15 11:46	1

Lab Sample ID: LCS 680-395305/2
Matrix: Water
Analysis Batch: 395305

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			51.0	50.0		mg/L		98	80 - 120		

Lab Sample ID: LCSD 680-395305/3
Matrix: Water
Analysis Batch: 395305

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			51.0	52.0		mg/L		102	80 - 120	4	25

Method: 4500 H+ B-2011 - pH

Lab Sample ID: LCS 680-395386/3
Matrix: Water
Analysis Batch: 395386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.050		SU		101	63 - 158		

Lab Sample ID: 680-115416-2 DU
Matrix: Water
Analysis Batch: 395386

Client Sample ID: SJFP-080815-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.06	HF		8.060		SU				0	40

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Metals

Prep Batch: 395246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Dissolved	Water	245.1	
680-115416-1	SJLP-080815-11	Total/NA	Water	245.1	
680-115416-1 MS	SJLP-080815-11	Total/NA	Water	245.1	
680-115416-1 MSD	SJLP-080815-11	Total/NA	Water	245.1	
680-115416-2	SJFP-080815-11	Dissolved	Water	245.1	
680-115416-2	SJFP-080815-11	Total/NA	Water	245.1	
680-115416-3	SJHB-080815-11	Dissolved	Water	245.1	
680-115416-3	SJHB-080815-11	Total/NA	Water	245.1	
680-115416-4	SJSR-080815-11	Dissolved	Water	245.1	
680-115416-4	SJSR-080815-11	Total/NA	Water	245.1	
680-115416-5	10-25_20150807_RS	Dissolved	Water	245.1	
680-115416-5	10-25_20150807_RS	Total/NA	Water	245.1	
LCS 680-395246/15-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-395246/13-A	Method Blank	Total/NA	Water	245.1	

Prep Batch: 395259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Dissolved	Water	200	
680-115416-1	SJLP-080815-11	Total/NA	Water	200	
680-115416-1 MS	SJLP-080815-11	Total/NA	Water	200	
680-115416-1 MSD	SJLP-080815-11	Total/NA	Water	200	
680-115416-2	SJFP-080815-11	Dissolved	Water	200	
680-115416-2	SJFP-080815-11	Total/NA	Water	200	
680-115416-3	SJHB-080815-11	Dissolved	Water	200	
680-115416-3	SJHB-080815-11	Total/NA	Water	200	
680-115416-4	SJSR-080815-11	Dissolved	Water	200	
680-115416-4	SJSR-080815-11	Total/NA	Water	200	
680-115416-5	10-25_20150807_RS	Dissolved	Water	200	
680-115416-5	10-25_20150807_RS	Total/NA	Water	200	
LCS 680-395259/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395259/1-A	Method Blank	Total/NA	Water	200	

Prep Batch: 395264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Dissolved	Water	200	
680-115416-1	SJLP-080815-11	Total/NA	Water	200	
680-115416-1 MS	SJLP-080815-11	Total/NA	Water	200	
680-115416-1 MSD	SJLP-080815-11	Total/NA	Water	200	
680-115416-2	SJFP-080815-11	Dissolved	Water	200	
680-115416-2	SJFP-080815-11	Total/NA	Water	200	
680-115416-3	SJHB-080815-11	Dissolved	Water	200	
680-115416-3	SJHB-080815-11	Total/NA	Water	200	
680-115416-4	SJSR-080815-11	Dissolved	Water	200	
680-115416-4	SJSR-080815-11	Total/NA	Water	200	
680-115416-5	10-25_20150807_RS	Dissolved	Water	200	
680-115416-5	10-25_20150807_RS	Total/NA	Water	200	
LCS 680-395264/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395264/1-A	Method Blank	Total/NA	Water	200	

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Metals (Continued)

Analysis Batch: 395400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Dissolved	Water	245.1	395246
680-115416-1	SJLP-080815-11	Total/NA	Water	245.1	395246
680-115416-1 MS	SJLP-080815-11	Total/NA	Water	245.1	395246
680-115416-1 MSD	SJLP-080815-11	Total/NA	Water	245.1	395246
680-115416-2	SJFP-080815-11	Dissolved	Water	245.1	395246
680-115416-2	SJFP-080815-11	Total/NA	Water	245.1	395246
680-115416-3	SJHB-080815-11	Dissolved	Water	245.1	395246
680-115416-3	SJHB-080815-11	Total/NA	Water	245.1	395246
680-115416-4	SJSR-080815-11	Dissolved	Water	245.1	395246
680-115416-4	SJSR-080815-11	Total/NA	Water	245.1	395246
680-115416-5	10-25_20150807_RS	Dissolved	Water	245.1	395246
680-115416-5	10-25_20150807_RS	Total/NA	Water	245.1	395246
LCS 680-395246/15-A	Lab Control Sample	Total/NA	Water	245.1	395246
MB 680-395246/13-A	Method Blank	Total/NA	Water	245.1	395246

Analysis Batch: 395402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Dissolved	Water	200.7 Rev 4.4	395264
680-115416-1	SJLP-080815-11	Total/NA	Water	200.7 Rev 4.4	395264
680-115416-1 MS	SJLP-080815-11	Total/NA	Water	200.7 Rev 4.4	395264
680-115416-1 MSD	SJLP-080815-11	Total/NA	Water	200.7 Rev 4.4	395264
680-115416-2	SJFP-080815-11	Dissolved	Water	200.7 Rev 4.4	395264
680-115416-2	SJFP-080815-11	Total/NA	Water	200.7 Rev 4.4	395264
680-115416-3	SJHB-080815-11	Dissolved	Water	200.7 Rev 4.4	395264
680-115416-3	SJHB-080815-11	Total/NA	Water	200.7 Rev 4.4	395264
680-115416-4	SJSR-080815-11	Dissolved	Water	200.7 Rev 4.4	395264
680-115416-4	SJSR-080815-11	Total/NA	Water	200.7 Rev 4.4	395264
680-115416-5	10-25_20150807_RS	Dissolved	Water	200.7 Rev 4.4	395264
680-115416-5	10-25_20150807_RS	Total/NA	Water	200.7 Rev 4.4	395264
LCS 680-395264/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	395264
MB 680-395264/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	395264

Analysis Batch: 395403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Total/NA	Water	2340B-2011	
680-115416-2	SJFP-080815-11	Total/NA	Water	2340B-2011	
680-115416-3	SJHB-080815-11	Total/NA	Water	2340B-2011	
680-115416-4	SJSR-080815-11	Total/NA	Water	2340B-2011	
680-115416-5	10-25_20150807_RS	Total/NA	Water	2340B-2011	
MB 680-395403/1	Method Blank	Total/NA	Water	2340B-2011	

Analysis Batch: 395503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Dissolved	Water	200.8	395259
680-115416-1	SJLP-080815-11	Total/NA	Water	200.8	395259
680-115416-1 MS	SJLP-080815-11	Total/NA	Water	200.8	395259
680-115416-1 MSD	SJLP-080815-11	Total/NA	Water	200.8	395259
680-115416-2	SJFP-080815-11	Dissolved	Water	200.8	395259
680-115416-2	SJFP-080815-11	Total/NA	Water	200.8	395259
680-115416-3	SJHB-080815-11	Dissolved	Water	200.8	395259
680-115416-3	SJHB-080815-11	Total/NA	Water	200.8	395259

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Metals (Continued)

Analysis Batch: 395503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-4	SJSR-080815-11	Dissolved	Water	200.8	395259
680-115416-4	SJSR-080815-11	Total/NA	Water	200.8	395259
680-115416-5	10-25_20150807_RS	Dissolved	Water	200.8	395259
680-115416-5	10-25_20150807_RS	Total/NA	Water	200.8	395259
LCS 680-395259/2-A	Lab Control Sample	Total/NA	Water	200.8	395259
MB 680-395259/1-A	Method Blank	Total/NA	Water	200.8	395259

General Chemistry

Analysis Batch: 395262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Total/NA	Water	2540 D-2011	
680-115416-1 DU	SJLP-080815-11	Total/NA	Water	2540 D-2011	
LCS 680-395262/2	Lab Control Sample	Total/NA	Water	2540 D-2011	
LCSD 680-395262/3	Lab Control Sample Dup	Total/NA	Water	2540 D-2011	
MB 680-395262/1	Method Blank	Total/NA	Water	2540 D-2011	

Analysis Batch: 395305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Total/NA	Water	2540C-2011	
680-115416-2	SJFP-080815-11	Total/NA	Water	2540C-2011	
680-115416-3	SJHB-080815-11	Total/NA	Water	2540C-2011	
680-115416-4	SJSR-080815-11	Total/NA	Water	2540C-2011	
680-115416-5	10-25_20150807_RS	Total/NA	Water	2540C-2011	
LCS 680-395305/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-395305/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-395305/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 395386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Total/NA	Water	4500 H+ B-2011	
680-115416-2	SJFP-080815-11	Total/NA	Water	4500 H+ B-2011	
680-115416-2 DU	SJFP-080815-11	Total/NA	Water	4500 H+ B-2011	
680-115416-3	SJHB-080815-11	Total/NA	Water	4500 H+ B-2011	
680-115416-4	SJSR-080815-11	Total/NA	Water	4500 H+ B-2011	
680-115416-5	10-25_20150807_RS	Total/NA	Water	4500 H+ B-2011	
LCS 680-395386/3	Lab Control Sample	Total/NA	Water	4500 H+ B-2011	

Analysis Batch: 395407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-1	SJLP-080815-11	Total/NA	Water	2320B-2011	
680-115416-2	SJFP-080815-11	Total/NA	Water	2320B-2011	
680-115416-2 DU	SJFP-080815-11	Total/NA	Water	2320B-2011	
680-115416-3	SJHB-080815-11	Total/NA	Water	2320B-2011	
680-115416-4	SJSR-080815-11	Total/NA	Water	2320B-2011	
680-115416-5	10-25_20150807_RS	Total/NA	Water	2320B-2011	
LCS 680-395407/7	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-395407/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-395407/6	Method Blank	Total/NA	Water	2320B-2011	

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

General Chemistry (Continued)

Analysis Batch: 395429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115416-2	SJFP-080815-11	Total/NA	Water	2540 D-2011	
680-115416-2 DU	SJFP-080815-11	Total/NA	Water	2540 D-2011	
680-115416-3	SJHB-080815-11	Total/NA	Water	2540 D-2011	
680-115416-4	SJSR-080815-11	Total/NA	Water	2540 D-2011	
680-115416-5	10-25_20150807_RS	Total/NA	Water	2540 D-2011	
LCS 680-395429/2	Lab Control Sample	Total/NA	Water	2540 D-2011	
LCSD 680-395429/3	Lab Control Sample Dup	Total/NA	Water	2540 D-2011	
MB 680-395429/1	Method Blank	Total/NA	Water	2540 D-2011	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJLP-080815-11

Lab Sample ID: 680-115416-1

Date Collected: 08/08/15 15:32
Matrix: Water
Date Received: 08/10/15 07:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 16:52	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 15:22	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 11:11	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 09:29	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2340B-2011		1			395403	08/10/15 15:22	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	245.1			50 mL	50 mL	395246	08/10/15 12:21	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 16:28	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Prep	245.1			50 mL	50 mL	395246	08/10/15 09:17	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 15:21	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Analysis	2320B-2011		1			395407	08/10/15 16:07	DAM	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540 D-2011		1	50 mL	1000 mL	395262	08/10/15 09:56	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395305	08/10/15 11:46	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 H+ B-2011		1			395386	08/10/15 16:07	OLB	TAL SAV
	Instrument ID: MANTECH									

Client Sample ID: SJFP-080815-11

Lab Sample ID: 680-115416-2

Date Collected: 08/08/15 18:40
Matrix: Water
Date Received: 08/10/15 07:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 16:55	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 15:33	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 11:15	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJFP-080815-11

Lab Sample ID: 680-115416-2

Date Collected: 08/08/15 18:40
Matrix: Water
Date Received: 08/10/15 07:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 09:50	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2340B-2011		1			395403	08/10/15 15:33	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	245.1			50 mL	50 mL	395246	08/10/15 12:21	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 16:31	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Prep	245.1			50 mL	50 mL	395246	08/10/15 09:17	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 15:30	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Analysis	2320B-2011		1			395407	08/10/15 16:14	DAM	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540 D-2011		1	50 mL	1000 mL	395429	08/11/15 08:37	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395305	08/10/15 11:46	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 H+ B-2011		1			395386	08/10/15 16:14	OLB	TAL SAV
	Instrument ID: MANTECH									

Client Sample ID: SJHB-080815-11

Lab Sample ID: 680-115416-3

Date Collected: 08/08/15 19:10
Matrix: Water
Date Received: 08/10/15 07:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 16:59	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 15:37	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 11:20	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 09:54	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2340B-2011		1			395403	08/10/15 15:37	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	245.1			50 mL	50 mL	395246	08/10/15 12:21	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 16:35	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Prep	245.1			50 mL	50 mL	395246	08/10/15 09:17	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 15:33	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: SJHB-080815-11

Lab Sample ID: 680-115416-3
Date Collected: 08/08/15 19:10
Matrix: Water
Date Received: 08/10/15 07:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1			395407	08/10/15 16:32	DAM	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540 D-2011		1	30 mL	1000 mL	395429	08/11/15 08:37	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395305	08/10/15 11:46	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 H+ B-2011		1			395386	08/10/15 16:32	OLB	TAL SAV
	Instrument ID: MANTECH									

Client Sample ID: SJSR-080815-11

Lab Sample ID: 680-115416-4
Date Collected: 08/08/15 19:34
Matrix: Water
Date Received: 08/10/15 07:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 17:03	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 15:41	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 11:24	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 10:07	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2340B-2011		1			395403	08/10/15 15:41	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	245.1			50 mL	50 mL	395246	08/10/15 12:21	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 16:38	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Prep	245.1			50 mL	50 mL	395246	08/10/15 09:17	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 15:36	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Analysis	2320B-2011		1			395407	08/10/15 16:38	DAM	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540 D-2011		1	30 mL	1000 mL	395429	08/11/15 08:37	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395305	08/10/15 11:46	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 H+ B-2011		1			395386	08/10/15 16:38	OLB	TAL SAV
	Instrument ID: MANTECH									

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Client Sample ID: 10-25_20150807_RS

Date Collected: 08/07/15 11:30
Date Received: 08/10/15 07:45

Lab Sample ID: 680-115416-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 17:07	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	200			50 mL	50 mL	395264	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395402	08/10/15 15:45	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 11:28	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	200			50 mL	50 mL	395259	08/10/15 09:56	BJB	TAL SAV
Total/NA	Analysis	200.8		1	50 mL	50 mL	395503	08/11/15 10:11	BWR	TAL SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2340B-2011		1			395403	08/10/15 15:45	BCB	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	245.1			50 mL	50 mL	395246	08/10/15 12:21	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 16:41	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Prep	245.1			50 mL	50 mL	395246	08/10/15 09:17	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395400	08/10/15 15:39	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Analysis	2320B-2011		1			395407	08/10/15 16:47	DAM	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540 D-2011		1	30 mL	1000 mL	395429	08/11/15 08:37	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395305	08/10/15 11:46	DAM	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 H+ B-2011		1			395386	08/10/15 16:47	OLB	TAL SAV
	Instrument ID: MANTECH									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

2414120

Serial Number 98497

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

◯ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE OF

STANDARD REPORT DELIVERY ◯
DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: EPA 200.7, 200.8, 245.1 & SM 2340B	Dissolved 200.7, 200.8, 245.1	TSS SM 2540D	TDS SM2540C	pH SM 4500-H+	Alkalinity SM2320B			REMARKS
								Filt HNO3		PRESERVATIVE						
8/18/15	1532	SJLP-080815-11		X				1	1	1	1					(4 bottles ea Sample)
8/18/15	1840	SJFP-080815-11		X				1	1	1	1					
8/18/15	1910	SJHB-080815-11		X				1	1	1	1					
8/18/15	1934	SJSR-080815-11		X				1	1	1	1					
8/7/15	1130	10-25_20150807_RS		X				1	1	1	1					

680-115416 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Jan	8/9/15	0730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO	LABORATORY REMARKS
Tallie Ing	8/10/15	0745	YES ◯ NO ◯			2-0/2-4 0-9/1-3

8/11/2015

TAL 8240-680 (1008)

ED_000552H_00004324-00034

12 11 10 9 8 7 6 5 4 3 2 1

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-115416-1

Login Number: 115416
List Number: 1
Creator: Ragnaldsen, Amy E

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No client information listed on COC
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115416-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New Mexico	State Program	6	N/A	06-30-16